

### ABSTRACT OF THE DISCLOSURE

Metal vanadium oxide particles have been produced with an average diameter less than about 500 nm. The particles are produced from nanocrystalline vanadium oxide particles. Silver vanadium oxide particles, for example, can be formed by the heat treatment of a mixture of nanoscale vanadium oxide and a silver compound. Other metal vanadium oxide particles can be produced by similar processes. The metal vanadium oxide particles have very uniform properties.